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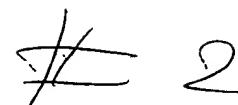
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/732,348
DATE: 12/21/2000
TIME: 09:05:58

ENTERED

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\12212000\I732348.raw

C--> 3 <110> APPLICANT: Yen Choo, et al.
5 <120> TITLE OF INVENTION: Regulated Gene Expression in Plants
7 <130> FILE REFERENCE: 674538-2001
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/732,348
C--> 9 <141> CURRENT FILING DATE: 2000-12-07
9 <160> NUMBER OF SEQ ID NOS: 21
11 <170> SOFTWARE: PatentIn version 3.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 17
15 <212> TYPE: DNA
16 <213> ORGANISM: Artificial Sequence
18 <220> FEATURE:
19 <221> NAME/KEY: misc_feature
20 <222> LOCATION: (1)..(14)
21 <223> OTHER INFORMATION: Plant translational initiation context sequence
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25 aaggagatat aacaatg 17
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 10
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33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (1)..(7)
36 <223> OTHER INFORMATION: plant translational initiation context sequence
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40 gtcgaccatg 10
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44 <211> LENGTH: 60
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
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51 <223> OTHER INFORMATION: oligonucleotide
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55 ctccctgcagt tggacctygt ccatggccgg ctgggccgca tagaatggaa caactaaagc 60
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 995
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <222> LOCATION: (15)..(17)
66 <223> OTHER INFORMATION: translational initiating ATG
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature



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71 <222> LOCATION: (16)..(416)
72 <223> OTHER INFORMATION: Fingers 1 to 4 of TFIIIA
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (308)..(416)
78 <223> OTHER INFORMATION: spacer
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (417)..(689)
84 <223> OTHER INFORMATION: three fingers of zinc fingers protein Zif268
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (701)..(722)
90 <223> OTHER INFORMATION: Nuclear Localization Signal
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <222> LOCATION: (957)..(986)
96 <223> OTHER INFORMATION: c-myc tag
99 <400> SEQUENCE: 4
100 tctagagcgc cggcatggga qagaagggcg tgcgggtggt gtataagcgg tacatctgct      60
102 ctttcgccga ctgcggcgct gcttataaca agaactggaa actgcaggcg catctgtgca      120
104 aacacacagg agagaaacca ttcccatgta aggaagaagg atgtgagaaa ggctttacct      180
106 cgttcacatc cttaacccgc cactcaactca ctcatactgg cgagaaaaac ttcacatgtg      240
108 actcggatgg algtgacttg agatttacta caaaggcaaa catgaagaag cactttaaca      300
110 gattccataa catcaagatc tgcgtctatg tgtgccattt tgagaactgt ggcaaaqcat      360
112 tcaagaaaca caatcaatta aaggttcac cagttcagtc cacacagcag ctgccgtatg      420
114 ctlgccctgt cgagtcctgc gatcgccgct tttctcgctc ggatgagctt acccgccata      480
116 tccgcaccca cacaggccag aagcccttcc agtgcggaat ctgcatgctt aacttcagtc      540
118 gtagtgacca ccttaccacc cacatccgca cccacacagg cgagaagcct tttgectgtg      600
120 acatttgttg gaggaagttt gccaggaglg atgaacgcaa gaggcatacc aaatccattt      660
122 taagacagaa ggacgcggcc gcactcgagc ggaattccgg cccaaaaaag aagagaaagg      720
124 tggcccccgc gaccgatgtc agcctgqggg acgagctcca cttagacggc gaggacgtgq      780
126 cgatggcgca tggcgacggc ctgacgattt tcatcttggg catgttgggg gacggggatt      840
128 ccccggggcc gggatttacc ccccacgact ccgccccta cggcgctctg gatacggccg      900
130 acttcagatt ttagcagatg ttaccgatg cccctggaat tgacgagtac ggtggggaac      960
132 aaaaacttat ttctgaagaa gatctgtaag gatcc                                     995
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 947
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (723)..(908)
143 <223> OTHER INFORMATION: transactivation domain of VP64, other features except c-myc tag (
144   listed below) same as SEQ ID NO:
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (909)..(938)
150 <223> OTHER INFORMATION: c-myc tag, other features except transactivation domain VP64 (lis

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151      led above) same as SEQ ID NO:
154 <400> SEQUENCE: 5
155 tctagagcgc cgccatggga qagaaggcgc tgcgggtggt qtataaqcgc tacatctgct      60
157 ctttcgccga ctgcggcgct gcttataaca agaactggaa actgcaggcg catctgtgca      120
159 aacacacagg agagaacca ttcccatgta aggaagaagg atgtgagaaa gqctttacct      180
161 cgcttcacat ctttaaccgc cactcactca ctcatactgg cgagaaaacc ttcccatgtg      240
163 actcggatgg atgtgacttg agatttacta caaaggcaaa catgaagaaq cactttaaca      300
165 gatccataaa catcaagatc tgcgtctatg tgtgccattt tgagaactgt ggcaaaqcat      360
167 tcaagaaaac caatcaatca aaggttcacg agttcagtea cacacagcag ctgccgtatg      420
169 cttgccctgt cyagtcctgc gatcgccgct tttctcgctc ggtgagctt acccgccata      480
171 tccgcatcca cacaggccag aagcccttcc agtgctgaat ctgcatgcgt aacttcagtc      540
173 gtagtgacca ccttaccacc cacatccgca cccacacagg cgagaagcct tttgccctgt      600
175 acatttgttg gaggaagtgt gccaggagtg atgaacgcaa gaggcatacc aaaatccatt      660
177 taagacagaa ggacgcggcc gactcgaac ggaattccgg cccaaaaaag aagagaaagg      720
179 tcgaacttca gctgaactcg gatgcattag atgactttga cttagatatg claggatctg      780
181 acgcgctaga cgaatttcgat ctggacatgt tgggcagcga tgccttagac gatttcgatt      840
183 tagatatgct tggctcggat gccctggatg acttcgacct cgacatgctg tcaagtcagc      900
185 tgagccagga acaaaaactt atttctgaag aagatctgta aggatcc      947
188 <210> SEQ ID NO: 6
189 <211> LENGTH: 14
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (1)..(14)
196 <223> OTHER INFORMATION: plant translational initiation context sequence
199 <400> SEQUENCE: 6
200 aaggagatat aaca      14
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 29
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <221> NAME/KEY: protein_bind
210 <222> LOCATION: (1)..(29)
211 <223> OTHER INFORMATION: target DNA sequence
214 <400> SEQUENCE: 7
215 tgcgtgggcg tgtacctgga tgggagacc      29
218 <210> SEQ ID NO: 8
219 <211> LENGTH: 35
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (1)..(35)
226 <223> OTHER INFORMATION: forward primer
229 <400> SEQUENCE: 8
230 ccacgcgtcc atgggagaga aggcgctgcc ggtgg      35
233 <210> SEQ ID NO: 9

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234 <211> LENGTH: 44
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (1)..(44)
241 <223> OTHER INFORMATION: reverse primer
244 <400> SEQUENCE: 9
245 ccactagtc ttacagatct tcttcagaaa taagtttttg ttcc 44
248 <210> SEQ ID NO: 10
249 <211> LENGTH: 148
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <222> LOCATION: (1)..(148)
256 <223> OTHER INFORMATION: Sense strand primer
259 <400> SEQUENCE: 10
260 cctctagatc ggtctcccat ccagggtacac gccacgcaa gtcgggtctcc catccaggta 60
262 cacqcccacg caagtcggtc tcccatccag gtacacqccc acgcaagtcty gctctccatc 120
264 cagggtacacg cccacgcaag aagcttcc 148
267 <210> SEQ ID NO: 11
268 <211> LENGTH: 148
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (1)..(148)
275 <223> OTHER INFORMATION: antisense strand primer
278 <400> SEQUENCE: 11
279 ggaagcttct tgcgtgggag tgtacctgga tgggagaccg acttgcgtgg gcgtgtacct 60
281 gqatgqgaga ccgacttgca tqgqcggtga cctggatggg agaccgactt gcgtgggagt 120
283 gtacctggat gggagaccga tctagagg 148
286 <210> SEQ ID NO: 12
287 <211> LENGTH: 45
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (1)..(45)
294 <223> OTHER INFORMATION: forward primer
297 <400> SEQUENCE: 12
298 ccagatctgg tctcccatcc aggtacacgc ccacgcaaga tctcc 45
301 <210> SEQ ID NO: 13
302 <211> LENGTH: 46
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature

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Input Set : A:\sequence listing.txt
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308 <222> LOCATION: (1)..(46)
309 <223> OTHER INFORMATION: reverse primer
312 <400> SEQUENCE: 13
313 ggagatcttg cgtgggcgtg tacctggatg ggagaccaga tctcgg          46
316 <210> SEQ ID NO: 14
317 <211> LENGTH: 34
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: (1)..(34)
324 <223> OTHER INFORMATION: forward primer
327 <400> SEQUENCE: 14
328 ccccatggtg agcaaggcgg aggagctggt cacc          34
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 35
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <221> NAME/KEY: misc_feature
338 <222> LOCATION: (1)..(35)
339 <223> OTHER INFORMATION: reverse primer
342 <400> SEQUENCE: 15
343 ccgaattctt acttgtacag ctctccatg ccgag          35
346 <210> SEQ ID NO: 16
347 <211> LENGTH: 28
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (1)..(28)
354 <223> OTHER INFORMATION: forward primer
357 <400> SEQUENCE: 16
358 ccctcgagcg gggtagcg ggcccg          28
361 <210> SEQ ID NO: 17
362 <211> LENGTH: 30
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <221> NAME/KEY: misc_feature
368 <222> LOCATION: (1)..(30)
369 <223> OTHER INFORMATION: reverse primer
372 <400> SEQUENCE: 17
373 cagttggaat tctagagtcg cggccgctac          30
376 <210> SEQ ID NO: 18
377 <211> LENGTH: 38
378 <212> TYPE: DNA
379 <213> ORGANISM: Artificial Sequence
381 <220> FEATURE:

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VERIFICATION SUMMARY DATE: 12/21/2000
PATENT APPLICATION: US/09/732,348 TIME: 09:05:59

Input Set : A:\sequence listing.txt
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L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date